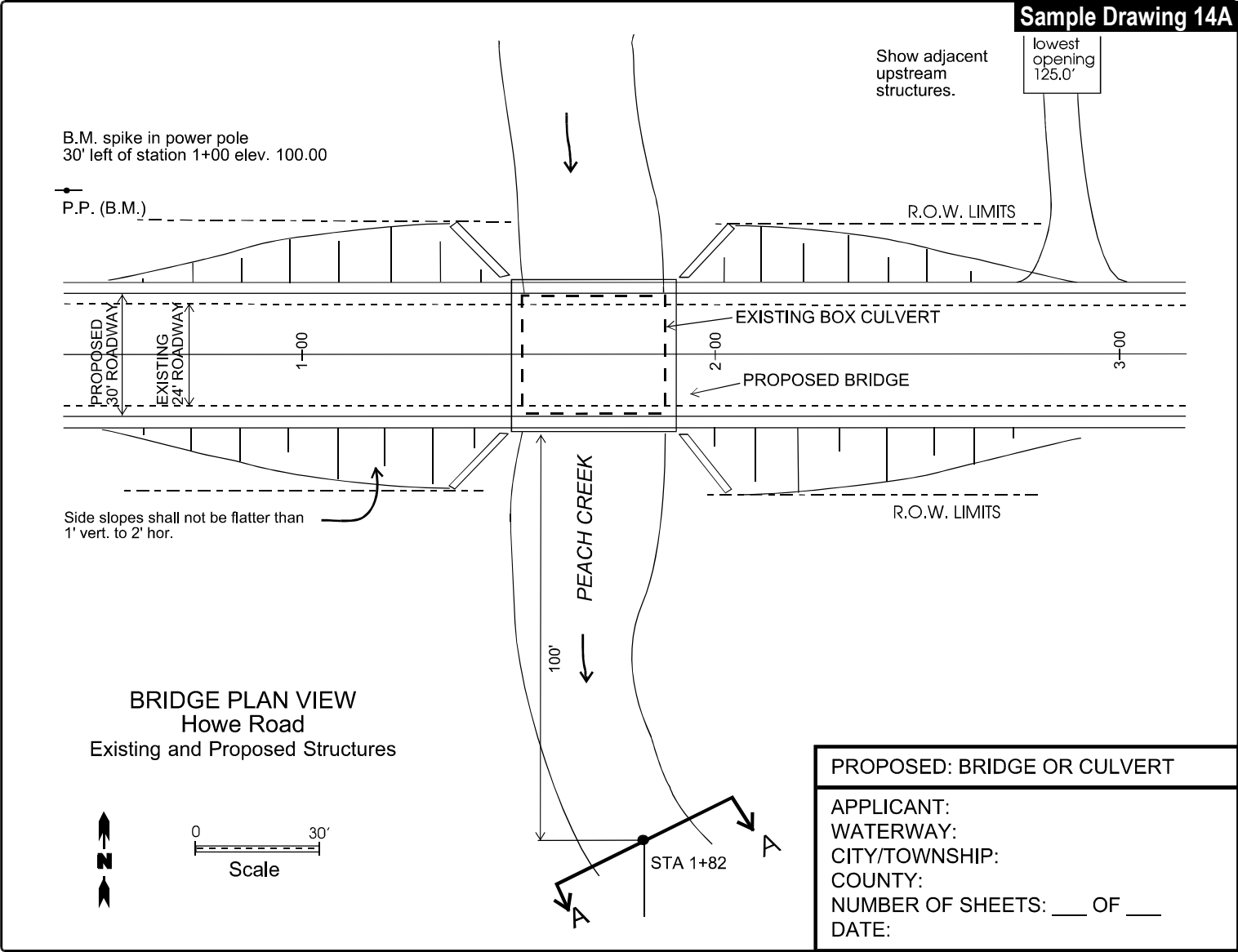


Proposed Bridges and Culverts:

Complete **Section 14** and **Sections 10A, 10B, 10C, 12, 13, and 15** if applicable to your project.

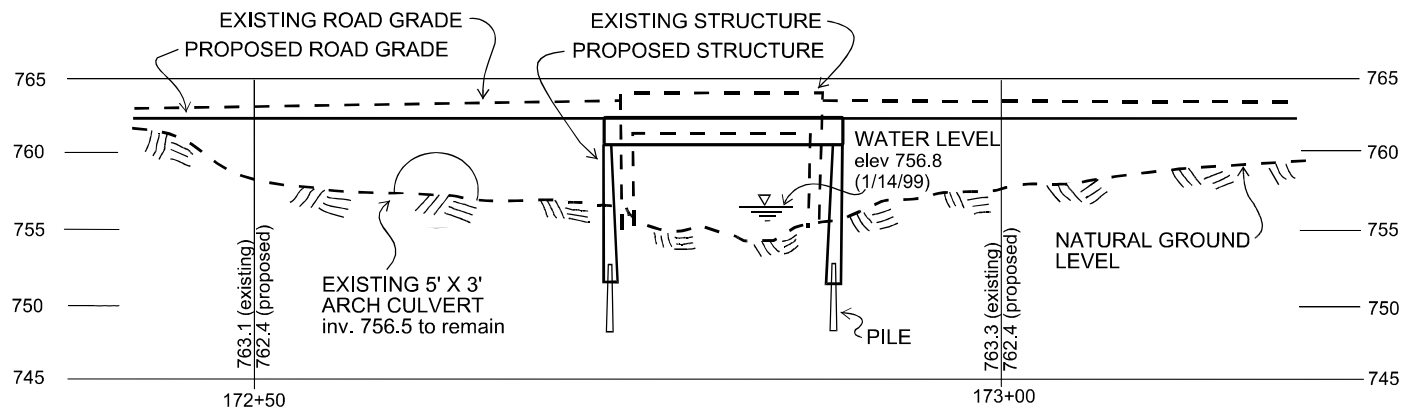
- ☐ Provide an overall site plan showing existing lakes, streams, wetlands, and other water features. Include name of waterbodies, property boundaries, and neighboring property owner information.
- ☐ Provide detailed site-specific drawings of existing **and** proposed *Plan View* (Sample Drawing 14A), *Elevation View* (Sample Drawing 14B), *Stream and Floodplain Cross-Sections* (Sample Drawing 14C), and *Stream Profile* (Sample Drawing 14D) adequate for detailed review.
- ☐ If your project includes *floodplain* fill complete **Section 13** and include a site-specific drawing (See Sample Drawing 5).



Bridge or Culvert Plan View

- ☐ Existing and proposed *structures* and approaches.
- ☐ Property boundaries and or right-of-ways (ROW).
- ☐ Description of reference point and datum used (NGVD 29, IGLD 85 or local).
- ☐ Location of *cross-section* or elevation views.
- ☐ *Soil erosion and sedimentation control measures.*

Sample Drawing 14B



BRIDGE ELEVATION VIEW
Existing and Proposed Structures

0 10'
Scale

Elevations in Feet

Bridge or Culvert Elevation View

- ☐ Observed and highest known water elevations (ft) and dates of observations (M/D/Y).
- ☐ 100-year floodplain elevation (if known).
- ☐ Basement floor and finished first-floor elevations (ft) of nearby homes and buildings.
- ☐ Elevation of ordinary high water mark (OHWM).

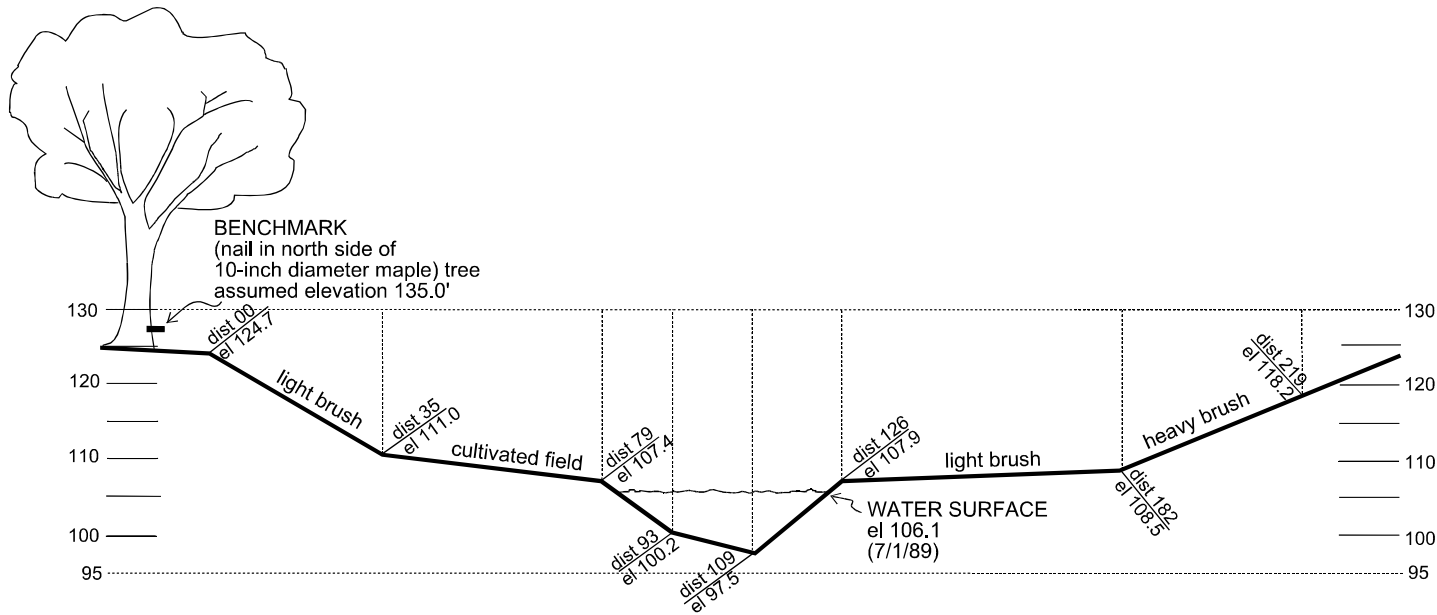
Existing and proposed:

- ☐ Structure elevations.
- ☐ Road grade and elevation of low points in road.
- ☐ Distance from low point of road to mid-point of structures.
- ☐ Upstream and downstream elevations (ft) of culvert crown or bottom of bridge beam.
- ☐ If culvert, higher elevation of pipe invert or streambed within pipe.

PROPOSED: BRIDGE OR CULVERT

APPLICANT:
WATERWAY:
CITY/TOWNSHIP:
COUNTY:
NUMBER OF SHEETS: ____ OF ____
DATE:

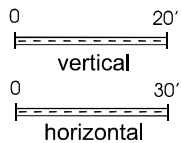
Sample Drawing 14C



CROSS-SECTION A - A
(Looking Downstream)

Cross-section downstream of proposed replacement structure
typical to the watercourse involved
and taken perpendicular to flood flows

Scale



Elevations in Feet

el = grade point elevation in reference
to the assumed benchmark

Stream and Floodplain

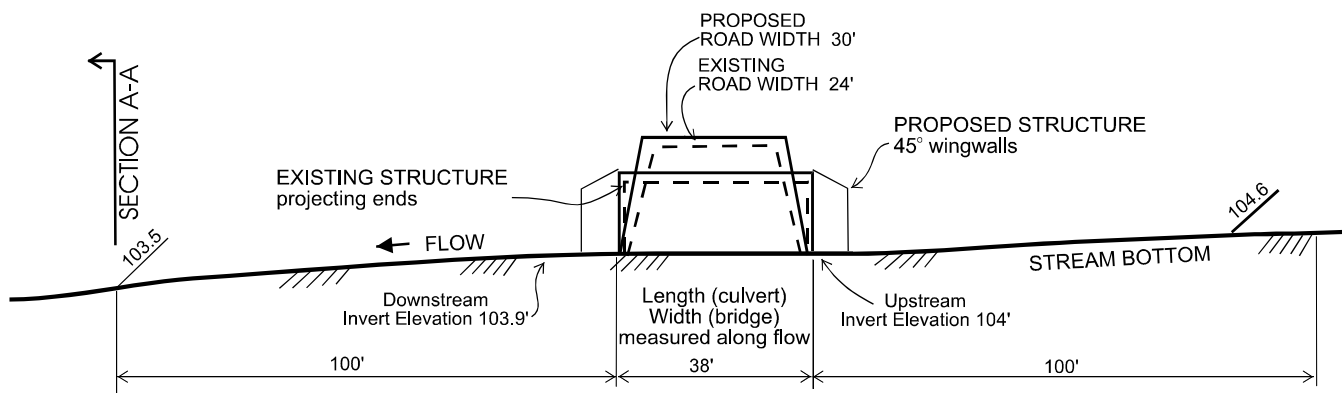
Cross-Section View

- ☐ All proposed projects need to provide the channel dimensions.
- ☐ Description of reference point and datum used (NGVD 29, IGLD 85, or local).
- ☐ Highest known and observed water elevations (ft) and dates of observations (M/D/Y).
- ☐ 100-year floodplain elevation (if known).
- ☐ Descriptions of overbank vegetative cover within the floodplain.
- ☐ Elevation of ordinary high water mark (OHWM).
- ☐ If upstream channel and overbank dimensions and/or vegetative cover differ significantly from the downstream conditions also provide an upstream cross-section.

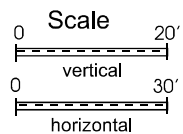
EXISTING & PROPOSED CROSS-SECTION

APPLICANT:
WATERWAY:
CITY/TOWNSHIP:
COUNTY:
NUMBER OF SHEETS: ____ OF ____
DATE:

Sample Drawing 14D



STREAM PROFILE VIEW
Existing and Proposed Structure,
Invert Elevations and End Treatment



PROPOSED: BRIDGE OR CULVERT

APPLICANT:
WATERWAY:
CITY/TOWNSHIP:
COUNTY:
NUMBER OF SHEETS: ____ OF ____
DATE:

Stream Profile View

- ☐ Datum used (NGVD 29, IGLD 85, or local).
- ☐ Location of cross-sections.

Show existing and proposed:

- ☐ Road width and culvert length or bridge width (ft).
- ☐ Upstream and downstream invert elevations (ft)
- ☐ 100-year floodplain profile (if known).